



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/502,496	07/22/2004	Satoshi Katakai	04476/LH	5457
1933 7590 05/30/2007 FRISHAUF, HOLTZ, GOODMAN & CHICK, PC 220 Fifth Avenue 16TH Floor NEW YORK, NY 10001-7708			EXAMINER KHOKHAR, ASIF I	
			ART UNIT 2609	PAPER NUMBER
			MAIL DATE 05/30/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/502,496

Applicant(s)

KATAKAI, SATOSHI

Examiner

Asif Khokhar

Art Unit

2609

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 22 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 7/22/04 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Priority*

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-7 and 10-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Nagaoka US20030117521.

4. With reference to claim 1, Nagaoka '521 discloses a connecting system (image display equipment connected to the cradle, paragraph 0021, line 3. Image display equipment, for example a camera, is connected to the cradle. Therefore, it is a connected system.), comprising: an electronic apparatus (A digital camera in abstract); a connecting mounting electrically connected to the electronic apparatus (Cradle in abstract shown in Fig. 1); a holding unit mounted on the connecting mounting, which is capable of holding the electronic apparatus with a part of the electronic apparatus facing a direction and also holding the electronic apparatus with the part of the electronic apparatus facing another direction (Reference numeral 14 denotes a digital camera, which is formed in a nearly rectangular parallelepiped shape. This digital camera 14 has its bottom surface 15 placed on a mounting surface 11a of the cradle 11, and moreover,

Art Unit: 2609

leaned over an inclined surface 11b of the cradle 11 so that it can be mounted on the cradle 11. In this case, the digital camera 14 can take either of the form of being installed in the cradle 11 with the surface where an imaging lens 16 thereof is arranged directed toward the user side, that is, the outside, or the form of being installed in the cradle 11 with the surface where a liquid crystal display portion 17 thereof is arranged toward the user side, page 2, paragraph 0038 line 1); a judging unit included in the electronic apparatus, which judges a direction relative to the holding unit which the part of the electronic apparatus held by the holding unit faces (When the digital camera 14 is installed, the cradle 11 automatically detects its direction, page 3, paragraph 005, line 1); and a mode setting unit included in the electronic apparatus, which sets the electronic apparatus in an operation mode corresponding to the direction of the part judged by the judging unit (FIG. 7 shows a list of functions realizable according to the direction in which the digital camera 14 is installed in the cradle 11. First, when the digital camera 14 is installed in the cradle 11 so as to arrange the imaging lens 16 toward the user side, a PC camera function can be realized by using the digital camera 14 and the PC 39 connected to the cradle 11, page 3, paragraph 0056, line 1. Direction in which the digital camera 14 is installed is same as direction of the part judged by the judging unit. PC camera function is an operation mode.)

5. With reference to claim 2, Nagaoka '521 discloses an image pickup apparatus (Camera 14 in Fig. 4) having a lens (Lens 16 in Fig. 4), an image pickup element (CCD 47 in Fig. 4), a storage (memory 52 in Fig. 1) image storing memory (Memory card 53 in Fig. 4), and an input-output interface (USB 44 in Fig. 4).

6. With reference to claim 3, Nagaoka '521 discloses the electronic apparatus comprises an image pickup apparatus (Camera shown in Fig. 9) and the operation mode to be set in the

Art Unit: 2609

electronic apparatus includes plural operation modes (operation mood are shown in Fig. 7) including an image-data transferring mode (PC camera mood shown in Fig 7 and explained in Fig. 9. An optical image of a subject incident via the imaging lens 16 is converted into an electrical signal by the CCD 47, and after that, it is taken by the PC 39 via the ADC 48, the signal processing portion 49, the USB interface portion 44, the control system terminals 29 of the connector 26, the imaging system terminals 23 of the connector 20 of the cradle 11 and USB controller 34 and USB interface portion 30, and is displayed on a monitor of the PC 39, page 3, paragraph 0059, line 1).

7. With reference to claim 4, Nagaoka '521 discloses the electronic apparatus comprises an image pickup apparatus and the operation mode to be set in the electronic apparatus includes plural operation modes including a photographing mode (As shown in FIG. 7, when the digital camera 14 is installed in the cradle 11 so as to arrange the imaging lens 16 toward the user side, a monitor camera function can be realized. This monitor camera function is a function to allow the digital camera 14 to automatically take pictures (including static images, dynamic picture images, speech sounds and the like) by the control of the cradle 11 at a predetermined interval, page 4, paragraph 0071, and line 1. The Monitor camera function allows camera to take pictures. Which as a photographing mood).

8. With reference to claim 5, Nagaoka '521 discloses an electronic apparatus which is mounted on a connecting mounting and electrically connected to the connecting mounting (Fig. 4), comprising: connecting terminals corresponding to connecting terminals of the connecting mounting and connected to the connecting terminals of the connecting mounting, when the electronic apparatus is mounted on the connecting mounting in various states with an apparatus

Art Unit: 2609

body facing various directions (as shown in FIG. 2B, a connector 26 to attempt an electrical connection with the connector 20 of the cradle 11 is formed on the bottom surface 15 of the above described digital camera 14, page 2, paragraph 0043, line 1); a confirming unit which confirms a direction which the apparatus body faces when the electronic apparatus is mounted on the connecting mounting (a list of functions realizable according to the direction in which the digital camera 14 is installed in the cradle 11, paragraph 56, page 3, line 1. Since a list of function is realizable according to the direction, it is same function as performed by confirming unit.); and a setting unit which sets the electronic apparatus in an operation mode corresponding to the direction of the apparatus body confirmed by the confirming unit(Furthermore, when the digital camera 14 is installed in the cradle 11 so as to arrange the imaging lens 16 toward the user side, a PC camera function can be realized by using the digital camera 14 and the PC 39 connected to the cradle 11, paragraph 0056, line 2. On the other hand, when the digital camera 14 is installed in the cradle 11 so as to arrange the liquid crystal display portion 17 toward the user side, a card reader/writer function for the memory card 53 mounted on the digital camera 14 can be realized by using the digital camera 14 and the PC 38 connected to the cradle 11, paragraph 0060, line 1. Both PC camera function and card reader/writer function are operating mode, which are corresponding to the direction of the camera body).

9. With reference to claim 6, Nagaoka '521 discloses the electronic apparatus comprises an image pickup apparatus (Camera shown in Fig. 9) and the operation mode to be set in the electronic apparatus includes plural operation modes (operation mood are shown in Fig. 7) including an image-data transferring mode (PC camera mood shown in Fig 7 and explained in Fig. 9. An optical image of a subject incident via the imaging lens 16 is converted into an

Art Unit: 2609

electrical signal by the CCD 47, and after that, it is taken by the PC 39 via the ADC 48, the signal processing portion 49, the USB interface portion 44, the control system terminals 29 of the connector 26, the imaging system terminals 23 of the connector 20 of the cradle 11 and USB controller 34 and USB interface portion 30, and is displayed on a monitor of the PC 39, page 3, paragraph 0059, line 1).

10. With reference to claim 7, Nagaoka '521 discloses the electronic apparatus comprises an image pickup apparatus and the operation mode to be set in the electronic apparatus includes plural operation modes including a photographing mode (As shown in FIG. 7, when the digital camera 14 is installed in the cradle 11 so as to arrange the imaging lens 16 toward the user side, a monitor camera function can be realized. This monitor camera function is a function to allow the digital camera 14 to automatically take pictures (including static images, dynamic picture images, speech sounds and the like) by the control of the cradle 11 at a predetermined interval, page 4, paragraph 0071, and line 1. The Monitor camera function allows camera to take pictures. Which as a photographing mood).

11. With Reference to claim 10, Nagaoka '521 discloses a connecting mounting for holding an electronic apparatus and being electrically connected to the electronic apparatus (A digital camera can be selectively installed in a cradle in whichever states where an imaging lens is arranged toward the outside in the cradle or where a liquid crystal display portion is arranged toward the outside in the cradle, and a device connected to the cradle and the digital camera is allowed to perform a linkage operation, abstract.), comprising: a mounting body which is capable of holding the electronic apparatus with a part of the electronic apparatus facing a direction (As shown in FIG. 3A, digital camera 14 is in a state of being installed in the cradle 11 with its

Art Unit: 2609

imaging lens 16 directed toward the user side, page 2, paragraph 0044, line 1) and also holding the electronic apparatus with the part facing other direction (As shown in FIG. 3B, digital camera 14 is in a state where the camera is installed in the cradle 11 with its liquid crystal display portion 17 arranged toward the user side, page 2, paragraph 0045, line 1) ; a pair of first connector and a second connector provided in the mounting body ( connector 23 and 25 as shown in Fig 2A), each of the connectors being alternatively movable to a connecting position and to a non-connecting position when the electronic apparatus is mounted on the mounting body, the connectors being connected to an apparatus connector provided in the electronic apparatus at the connecting position when the electronic apparatus is mounted on the mounting body, the first connector being brought to the connecting position and alternatively the second connector being brought to the non-contacting position when the electronic apparatus is mounted on the mounting body with the part of the electronic apparatus facing a direction (As shown in FIG. 3A, when the digital camera 14 is in a state of being installed in the cradle 11 with its imaging lens 16 directed toward the user side, the direct-current power supply terminal 27 of the connector 26, the ground terminal 28 and the plurality of control system terminals 29 are correspondingly connected to the direct-current supply power supply terminal 21 of the connector 20, the ground terminal 22 and the plurality of imaging system terminals 23, Page 2, paragraph 0044, line 1) the first connector being brought to the non-connecting position and alternatively the second connector being brought to the contacting position when the electronic apparatus is mounted on the mounting body with the part of the electronic apparatus facing the opposite direction (As shown in FIG. 3B, when the digital camera 14 is in a state where the camera is installed in the cradle 11 with its liquid crystal display portion 17 arranged toward the



Art Unit: 2609

user side, the direction of the digital camera 14 changes as shown in FIG. 2C. For this reason, the direct-current power supply terminal 27 of the connector 26, the earth terminal 28 and the plurality of control system terminals 29 are correspondingly connected to the direct-current power supply terminal 21 of the connector 20, the earth terminal 24 and the plurality of display system terminals 25, page1, paragraph 0045, line 1), and a confirming unit which confirms which of the first and second connectors the apparatus connector of the electronic apparatus is connected to (when the digital camera 14 is in a state of being installed in the cradle 11 with its imaging lens 16 directed toward the user side ground terminal 28 is connected to cradle ground terminal 22 As show in Fig. 2a and 2b. when the digital camera 14 is in a state where the camera is installed in the cradle 11 with its liquid crystal display portion 17 arranged toward the user side ground terminal 28 is connected to ground terminal 24 as shown in Fig 2A and 2C.)

12. With Reference to claim 11, Nagaoka '521 discloses a movable mechanism arranged to be operated by force produced when the electronic apparatus is installed onto the mounting body, bringing one of the pair of the first and second connectors to the non-connecting position, to bring the other of the pair of the first and second connectors to the connecting position (As shown in Fig 2A 2B and 2C, when direct-current power supply terminal 27 and ground terminal 28 connect to ground terminal 22 and direct-current power supply terminal 21, imaging system terminals 23 is in connecting position and imaging system terminals 25 is on non-connecting position.)

13. With Reference to claim 12, Nagaoka '521 discloses an operation mode setting method for an electronic apparatus (Digital camera in abstract) mounted on a connecting mounting (cradle in abstract) and being electrically connected to the connecting mounting (and a device

Art Unit: 2609

connected to the cradle and the digital camera is allowed to perform a linkage operation, abstract), comprising: confirming a direction which a part of the electronic apparatus mounted on the connecting mounting faces (a list of functions realizable according to the direction in which the digital camera 14 is installed in the cradle 11, paragraph 56, page 3, line 1. Since a list of function is realizable according to the direction, it is same function as performed by confirming unit.); and setting the electronic apparatus in an operation mode corresponding to the confirmed direction of the part of the electronic apparatus (Furthermore, when the digital camera 14 is installed in the cradle 11 so as to arrange the imaging lens 16 toward the user side, a PC camera function can be realized by using the digital camera 14 and the PC 39 connected to the cradle 11, paragraph 0056, line 2. On the other hand, when the digital camera 14 is installed in the cradle 11 so as to arrange the liquid crystal display portion 17 toward the user side, a card reader/writer function for the memory card 53 mounted on the digital camera 14 can be realized by using the digital camera 14 and the PC 38 connected to the cradle 11, paragraph 0060, line 1. Both PC camera function and card reader/writer function are operating mode, which are corresponding to the direction of the camera body).

14. With Reference to claim 13, Nagaoka '521 discloses a computer program for controlling a computer which is installed in an electronic apparatus (PC camera Fig. 7) that is mounted on a connecting mounting and being electrically connected to the connecting mounting, comprising: making the computer function as a judging unit to judge a direction relative to the connecting mounting which a part of the electronic apparatus mounted on the connecting mounting faces (This PC camera function is, as shown in FIG. 8, a function to install the digital camera 14 in the cradle 11 so as to arrange the imaging lens 16 toward the user side and control the digital camera

Art Unit: 2609

14 by using the PC 39 connected to the cradle 11, page 3, paragraph 0057, line 1); and making the computer function as a setting unit to set the electronic apparatus in an operation mode (a PC camera function can be realized by using the digital camera 14 and the PC 39 connected to the cradle 11, page 3, paragraph 0056, line 5 ) corresponding to the direction of the part judged by the judging unit (the PC 39 controls the digital camera 14 by controlling the signal processing portion 49 via USB interface portion 30 and USB controller 34 of the cradle 11, the imaging system terminals 23 of the connector 20, the control system terminals 29 and the USB interface portion 44 of the connector 26 of the digital camera 14 page 3, paragraph 0058, line 1).

15. With Reference to claim 14, Nagaoka '521 discloses a connecting system having a connecting mounting, an electronic apparatus mounted on the connecting mounting and being electrically connected to the connecting mounting and a data processing apparatus for exchanging data with the electronic apparatus through the connecting mounting (a device capable of performing an operation linked to the digital camera which is connected to the cradle and installed in the cradle, page 1, paragraph 0020, line 1. Furthermore, the PC 39 controls the digital camera 14 by controlling the signal processing portion 49 via USB interface portion 30 and USB controller 34 of the cradle 11, the imaging system terminals 23 of the connector 20, the control system terminals 29 and the USB interface portion 44 of the connector 26 of the digital camera 14, page 3, paragraph 0058, line 1. It is a connecting system having a cradle and a camera electrically connected to cradle and signal processing unit for exchanging data Fig. 9), comprising: a holding unit mounted on the connecting mounting (a stepwise mounting surface 12 and an inclined surface 13 Fig 3A 3B), capable of holding the electronic apparatus in various states with a part of the electronic apparatus facing various directions (As shown in Fig. 3A and

Art Unit: 2609

3B, cradle can hold digital camera in various direction); a judging unit included in the data processing apparatus, which judges a direction relative to the holding unit which the part of the electronic apparatus mounted on the holding unit faces (as shown by a path of a thick line in FIG. 9, the PC 39 controls the digital camera 14 by controlling the signal processing portion 49 via USB interface portion 30 and USB controller 34 of the cradle 11, the imaging system terminals 23 of the connector 20, the control system terminals 29 and the USB interface portion 44 of the connector 26 of the digital camera 14, paragraph 58, line 1, page 3. This thick path only activates if camera imaging lens 16 is toward the user side); and a mode setting unit included in the data processing apparatus, which sets the electronic apparatus in an operation mode corresponding to the direction of the part judged by the judging unit, in which mode data are exchanged between the electronic apparatus and the data processing apparatus (This PC camera function is, as shown in FIG. 8, a function to install the digital camera 14 in the cradle 11 so as to arrange the imaging lens 16 toward the user side and control the digital camera 14 by using the PC 39 connected to the cradle 11, page 3, paragraph 0057, line 1. Moreover, the PC 39 controls the digital camera 14 by controlling the signal processing portion 49 via USB interface portion 30 and USB controller 34 of the cradle 11, the imaging system terminals 23 of the connector 20, the control system terminals 29 and the USB interface portion 44 of the connector 26 of the digital camera 14 page 3, paragraph 0058, line 1)

16. With Reference to claim 15, Nagaoka '521 discloses A data processing apparatus for exchanging data with an electronic apparatus through a connecting mounting, the electronic apparatus being electrically connected to the connecting mounting (as show in Fig.11 thick line), comprising: a judging unit which judges a direction relative to the connecting mounting which a

Art Unit: 2609

part of the electronic apparatus mounted on connecting mounting faces (when the digital camera 14 is installed in the cradle 11 so as to arrange the liquid crystal display portion 17 toward the user side, a card reader/writer function for the memory card 53 mounted on the digital camera 14 can be realized by using the digital camera 14 and the PC 38 connected to the cradle 11, page 3, paragraph 0060, line 1. Since a card reader/writer function for the memory card 53 mounted on the digital camera because of a specific direction, it is done by a judging unit); and a mode setting unit which sets the data processing apparatus in an operation mode corresponding to the direction of the part judged by the judging unit, in which mode data are exchanged between the data processing apparatus and the electronic apparatus (Since a card reader/writer function is mounted, it is mounted by a mode setting unit. Furthermore, the PC 38 reads the data recorded in the memory card 53 via the signal processing portion 49, the USB interface portion 44, the control system terminals 29 of the connector 26, the display system terminals 25 of the connector 20 of the cradle 11 and the USB controller 34 and the USB interface portion 30, and the data can be displayed on the monitor, page 3, paragraph 0063, line 1).

17. With Reference to claim 16, Nagaoka '521 discloses the electronic apparatus (Camera) comprises an image pickup apparatus (Lens 16, CCD 47 as shown in Fig. 11), and the operation mode to be set to the data processing apparatus includes plural operation modes including an image-data transferring mode, in which image data stored in a memory of the image pickup apparatus are transferred to the data processing apparatus (The PC 38 reads the data recorded in the memory card 53 via the signal processing portion 49, page 3, paragraph 0063, line 1).

18. With Reference to claim 17, Nagaoka '521 discloses the electronic apparatus comprises an image pickup apparatus and the operation mode to be set to the data processing apparatus

Art Unit: 2609

includes plural operation modes including a photographing mode, in which mode image data is generated with an image pickup element of the image pickup apparatus and is transferred to the data processing apparatus (As shown in FIG. 7, when the digital camera 14 is installed in the cradle 11 so as to arrange the liquid crystal display portion 17 toward the user side, an electronic photo stand function can be realized. This electronic photo stand function is a function to automatically switch the image information recorded in the memory card 53 by the control of the cradle 11 at a predetermined interval and image-display it on the liquid crystal display portion 17 Page 4, paragraph 0072, line 1.).

19. With Reference to claim 18, Nagaoka '521 discloses an operation requesting unit (CPU 37) which requests the electronic apparatus to perform an operation corresponding to a data transferring mode, which is set in the data processing apparatus based on the direction of the part of the electronic apparatus judged by the judging unit (When the digital camera 14 is installed with its imaging lens 16 arranged toward the user side, similar to a path "a" shown by a thick line in FIG. 6, the CPU 37 of the cradle 11 is connected to the signal processing portion 49 via the imaging system terminals 23 of the connector 20 and the control system terminals 29 of the connector 26 of the digital camera 14. In this case, the CPU 37 of the cradle 11 determines that the digital camera 14 was installed in the cradle 11 with the imaging lens 16 arranged toward the user side from the fact that it was able to perform communications with the signal processing portion 49 of the digital camera 14 via the imaging system terminals 23 of the connector 20 paragraph 0052, line 1, page 3. ).

20. With Reference to claim 18, Nagaoka '521 discloses a data processing apparatus for exchanging data with an electronic apparatus through a connecting mounting, the electronic

Art Unit: 2609

apparatus being detachably mounted on the connecting mounting and electrically connected to the connecting mounting when mounted on the connecting mounting, an operation mode setting method comprising: judging a direction relative to the connecting mounting a part of the electronic apparatus mounted on the connecting mounting faces (when the digital camera 14 is in a state of being installed in the cradle 11 with its imaging lens 16 directed toward the user side, the direct-current power supply terminal 27 of the connector 26, the ground terminal 28 and the plurality of control system terminals 29 are correspondingly connected to the direct-current supply power supply terminal 21 of the connector 20, the ground terminal 22 and the plurality of imaging system terminals 23, paragraph 44, page 2, line 1); and setting the data processing unit in an operation mode corresponding to the direction of the part judged by the judging unit, in which mode data are exchanged between the data processing apparatus and the electronic apparatus (When the digital camera 14 is installed, the cradle 11 automatically detects its direction. First, when the digital camera 14 is installed with its imaging lens 16 arranged toward the user side, similar to a path "a" shown by a thick line in FIG. 6, the CPU 37 of the cradle 11 is connected to the signal processing portion 49 via the imaging system terminals 23 of the connector 20 and the control system terminals 29 of the connector 26 of the digital camera 14, paragraph 0052, line 1, page 3).

***Claim Rejections - 35 USC § 103***

21. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

22. Claim 8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nagaoka US20030117521 and further in view of Sony DSC- F77 digital camera which was described on 02 September 2002 press release.

23. With reference to claim8, Nagaoka '521 discusses all including an electronic apparatus which is mounted on a connecting mounting and electrically connected to the connecting mounting (Fig. 4), comprising: connecting terminals corresponding to connecting terminals of the connecting mounting and connected to the connecting terminals of the connecting mounting, when the electronic apparatus is mounted on the connecting mounting in various states with an apparatus body facing various directions (as shown in FIG. 2B, a connector 26 to attempt an electrical connection with the connector 20 of the cradle 11 is formed on the bottom surface 15 of the above described digital camera 14, page 2, paragraph 0043, line 1); a confirming unit which confirms a direction which the apparatus body faces when the electronic apparatus is mounted on the connecting mounting (a list of functions realizable according to the direction in which the digital camera 14 is installed in the cradle 11, paragraph 56, page 3, line 1. Since a list of function is realizable according to the direction, it is same function as performed by confirming unit.); and a setting unit which sets the electronic apparatus in an operation mode corresponding to the direction of the apparatus body confirmed by the confirming unit(Furthermore, when the digital camera 14 is installed in the cradle 11 so as to arrange the imaging lens 16 toward the user side, a PC camera function can be realized by using the digital camera 14 and the PC 39 connected to the cradle 11, paragraph 0056, line 2. On the other hand, when the digital camera 14 is installed in the cradle 11 so as to arrange the liquid crystal display portion 17 toward the user side, a card reader/writer function for the memory card 53 mounted



Art Unit: 2609

on the digital camera 14 can be realized by using the digital camera 14 and the PC 38 connected to the cradle 11, paragraph 0060, line 1. Both PC camera function and card reader/writer function are operating mode, which are corresponding to the direction of the camera body.) , Except a movable holding member faces, the movable holding member being movable mounted on the connecting mounting to face various direction and hold by the electronic apparatus. Sony DSC-F77 has a rotating unit, which is same as movable holding member face. A user can turn the rotating unit in various directions. A user can rotate the rotating unit more then 180 degrees. <sup>(pages 2, 3)</sup>

24. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the system of Nagaoka with Sony DSC-F77 as a electrical apparatus which has a movable holding member face, a rotating unit. It will make the camera user friendly and one could take his or her one photo while holding the camera in one hand. Furthermore, a user can view the picture in LCD.

25. With reference to claim 9, Nagaoka '521 discusses an electronic apparatus which is mounted on a connecting mounting and electrically connected to the connecting mounting (Fig. 4), comprising: connecting terminals corresponding to connecting terminals of the connecting mounting and connected to the connecting terminals of the connecting mounting, when the electronic apparatus is mounted on the connecting mounting in various states with an apparatus body facing various directions (as shown in FIG. 2B, a connector 26 to attempt an electrical connection with the connector 20 of the cradle 11 is formed on the bottom surface 15 of the above described digital camera 14, page 2, paragraph 0043, line 1); a confirming unit which confirms a direction which the apparatus body faces when the electronic apparatus is mounted on the connecting mounting (a list of functions realizable according to the direction in which the

Art Unit: 2609

digital camera 14 is installed in the cradle 11, paragraph 56, page 3, line 1. Since a list of function is realizable according to the direction, it is same function as performed by confirming unit.); and a setting unit which sets the electronic apparatus in an operation mode corresponding to the direction of the apparatus body confirmed by the confirming unit(Furthermore, when the digital camera 14 is installed in the cradle 11 so as to arrange the imaging lens 16 toward the user side, a PC camera function can be realized by using the digital camera 14 and the PC 39 connected to the cradle 11, paragraph 0056, line 2. On the other hand, when the digital camera 14 is installed in the cradle 11 so as to arrange the liquid crystal display portion 17 toward the user side, a card reader/writer function for the memory card 53 mounted on the digital camera 14 can be realized by using the digital camera 14 and the PC 38 connected to the cradle 11, paragraph 0060, line 1. Both PC camera function and card reader/writer function are operating mode, which are corresponding to the direction of the camera body) and a digital camera body (page 1, paragraph 0010, line 3) except a movable holding member faces, the movable holding member being movable mounted on the connecting mounting to face various direction and hold by the electronic apparatus. Sony DSC-F77 has a rotating unit, which is same as movable holding member face. A user can turn the rotating unit in various directions. A user can rotate the rotating unit more then 180 degrees. (pages 2, 3)

26. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the system of Nagaoka with Sony DSC-F77 as a electrical apparatus which has a movable holding member face, a rotating unit. It will make the camera user friendly and one could take his or her one photo while holding the camera in one hand. Furthermore, a user can view the picture in LCD.

Art Unit: 2609

27. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asif Khokhar whose telephone number is (571) 270-3221. The examiner can normally be reached on Monday- Friday 7:30am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Ho can be reached on (571) 272-7365. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Asif Khokhar

21MAY2007

  
TUAN HO  
PRIMARY EXAMINER

\*\*\*